

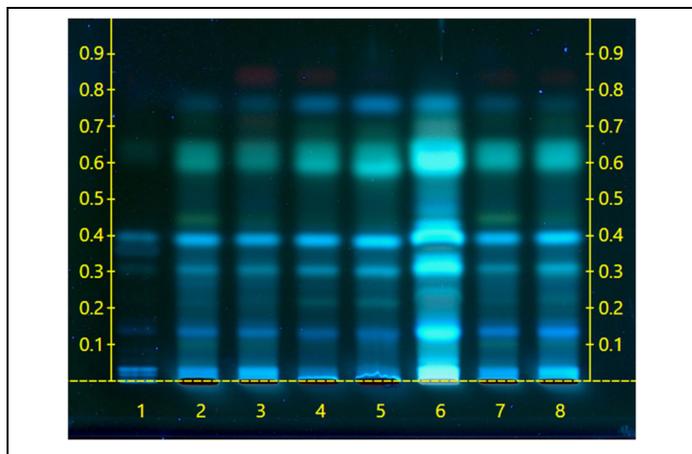
Certificate Issued To:
Afrigetics
381 Waterside Rd
Wilderness, Western Cape 6530
South Africa



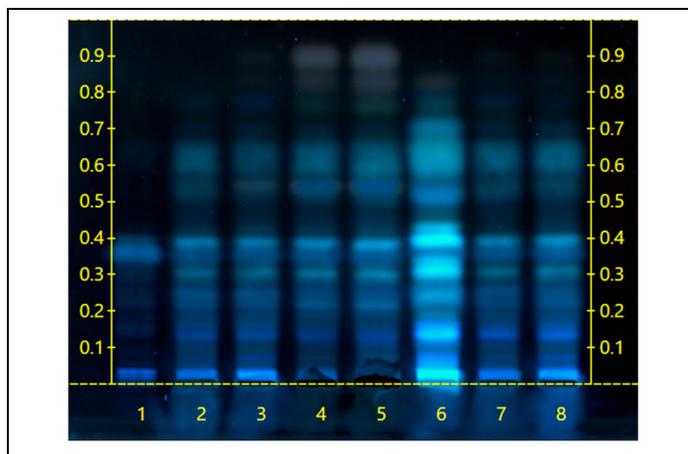
Work performed at:
Alkemist Labs
12661 Hoover Street
Garden Grove, CA 92841
714-754-HERB (4372)
714-668-9972 (FAX)
Sales@Alkemist.com
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Certificate of Analysis: Pausinystalia johimbe (RMPJPPAU/2021/06/KAM)
High Performance Thin-Layer Chromatography with Photo-Documentation

1



2



Company Name: Afrigetics
Title: Pausinystalia johimbe
Plant Part: bark
Sample Received: 07/02/21
Sample Packaging: Foil Pouch
Form of Botanical: whole/dry
Appearance: Brown Pieces
Lot Number: (RMPJPPAU/2021/06/KAM) → Lanes 4(3µl), 5(6µl)
Sample: 21183QED_4
Latin Name: *Pausinystalia johimbe* (K. Schum.) Pierre ex Beille [Rubiaceae]
Reference Sample: Lane 2(3µl) (LD11109MRH), Lane 3(3µl) (LD19710AP), Lane 7(3µl) (LD13309CRB) *Pausinystalia johimbe* (bark); Lane 8(3µl) (LD09399TH) *Pausinystalia johimbe* (); held at Alkemist Labs, Garden Grove, CA.
Analyst: A. Davis, N. Afendikova, M. Edwards, S. Kabbaj, N. Hoang, K. Tran, J. Lopez, J. Mares 159656
Sample Preparation: 0.5g+5mL Methanol, sonicate/heat at 50°C for 30 min, evap with Nitrogen Gas, QS with 1mL Methanol
Stationary Phase: Silica gel 60, HPTLC plates
Mobile Phase: toluene: ethyl acetate: diethylamine [7/2/1]
Detection: (1) UV 366 nm
(2) 10% Sulfuric, 100°C, 2min, 366nm (Reich, E., 2007)
Reference Standard: Lane 1(3µl) Yohimbine HCl (G0K385, USP), Methanol (0000239114, VWR)
Reference Source: Plant Drug Analysis, Wagner, H., 1996
IDT-SOP-72-01

Comments & Conclusions: Lanes 4, 5 are the test sample *Pausinystalia johimbe* (RMPJPPAU/2021/06/KAM). Lanes 2, 3, 7, 8, are the reference samples used for comparison. This test sample, *Pausinystalia johimbe* (RMPJPPAU/2021/06/KAM) is consistent with the chromatographic profile of the reference samples of *Pausinystalia johimbe*, used above. **This test sample *Pausinystalia johimbe* (RMPJPPAU/2021/06/KAM) has characteristics of *Pausinystalia johimbe* bark.**

NOTE: The above conclusion may be a function of the natural variance found in botanicals &/or the extraction process used to create specific extracts. The growing and drying conditions, age, seasonal variations, geographic location, extraction solvents, etc. all play a role in the phytochemical fingerprint of botanicals as well as their extracts; hence, chromatographic variations are expected.

Examined, Reviewed & Authorized by: Syhem W Kabbaj, HPTLC Production Supervisor, Alkemist Labs

Report Date: 08/04/21

ISO/IEC 17025



ACCREDITED
CERTIFICATE #3851.01

Note: Any unidentified lanes in the above chromatograms are confidential and may represent internal studies or other test samples not related to RMPJPPAU/2021/06/KAM.

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